

Amendments to the Claims

Claims 1-11 (Canceled):

Claim 12 (New): A method of exchanging a base of a phospholipid comprising:
producing phospholipase D (PLD) enzyme from phospholipase-producing microorganisms:
combining the PLD enzyme with a hydroxyl-containing compound and a phospholipid to
form a reaction mixture;
said phospholipid being dissolved in an organic solvent; adding an alcohol to the reaction
mixture to create an aqueous/organic interphase;
allowing the mixture to react for a time period sufficient to exchange the base;
allowing the reaction mixture to separate into an aqueous phase and an organic phase following
the exchange of the base;
incubating the aqueous phase with phospholipid; separating the PLD enzyme from unreacted
hydroxyl-containing compound; and
reusing the separated hydroxyl-containing compound and the separated PLD enzyme in the
combination step.

Claim 13 (New): The method of claim 12 whereby the aqueous phase is incubated with
phospholipid that is different from the phospholipid used in the combining step.

Claim 14 (New): The method of claim 12 further including the steps of: centrifuging the
PLD enzyme following the production step to produce a culture supernatant; and adding a
chelating agent to the culture supernatant.

Claim 15 (New): The method of claim 14 whereby the chelating agent is EDTA.

Claim 16 (New): The method of claim 15 wherein the reaction mixture is agitated or stirred
during the combination and reacting steps.

Claim 17 (New): A method of exchanging a base of a phospholipid comprising:
combining a phospholipid with a hydroxyl-containing compound in the presence of
phospholipase D (PLD) enzyme to produce a phosphatidyl-enzyme product, whereby the
PLD enzyme is produced from phospholipase-producing microorganisms *Streptomyces*
cinnamoneum ATCC strain # PTA-6205.

Claim 18 (New): A method of exchanging a base of a phospholipids comprising:
producing phospholipase D (PLD) enzyme from phospholipids-producing microorganisms;
combining the PLD enzyme with a hydroxyl-containing compound and a phospholipid to
form a reaction mixture; said phospholipid being dissolved in an organic solvent;
adding an alcohol to the reaction mixture to create an aqueous/organic interphase; and
allowing the mixture to react for a time period sufficient to exchange the base; wherein the
phospholipid-producing microorganisms are *Streptomyces cinnamoneum* ATCC strain
#PTA-6205.